

COMMUNICATION

Serial Number: 09/521524

Filing Date: March 8, 2000

Title: RAPID GENERATION OF RECOMBINANT ADENOVIRAL VECTORS

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In the Claims

Claims 1-35 [cancelled]

36. [New] A method for producing recombinant adenovirus consisting of transfecting a host cell with
- (a) an Ad backbone plasmid comprising an Ad genome lacking map units 0 to 9.2, wherein the numbering of the map units starts with the lefthand ITR, and
 - (b) a shuttle plasmid comprising Ad sequences from 0 to 1 map units and 9.2 to 16.1 map units of an Ad genome,
- wherein the shuttle plasmid is present in an amount of about fifteen times molar ratio as compared to an amount of the backbone plasmid.
37. [New] The method of claim 36, wherein the transfecting is by a calcium phosphate method of transfection.
38. [New] The method of claim 36, wherein the Ad backbone plasmid is pacAd5 9.2-100/SwaI, pacAd5 9.2-100/E3Δ-RSVntLacZ, pacAd5 9.2-100/E3Δ1.8, pacAd5 9.2-100/E3Δ2.6, pacAd5 9.2-100/E3Δ3.1, pacAd5 9.2-100/E3Δ-RSVeGFP, pacAd5 9.2-100/E3ΔE4orf6, pacAd5 9.2-100/E4Δ, or pacAd5 9.2-100.
39. [New] Ad backbone plasmid pacAd5 9.2-100/SwaI, pacAd5 9.2-100/E3Δ-RSVntLacZ, pacAd5 9.2-100/E3Δ1.8, pacAd5 9.2-100/E3Δ2.6, pacAd5 9.2-100/E3Δ3.1, pacAd5 9.2-100/E3Δ-RSVeGFP, pacAd5 9.2-100/E3ΔE4orf6, pacAd5 9.2-100/E4Δ, or pacAd5 9.2-100.
40. [New] A cloning system for generating recombinant adenovirus comprising:
- (a) Ad backbone plasmid pacAd5 9.2-100/SwaI, pacAd5 9.2-100/E3Δ-RSVntLacZ, pacAd5 9.2-100/E3Δ1.8, pacAd5 9.2-100/E3Δ2.6, pacAd5 9.2-100/E3Δ3.1,

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- pacAd5 9.2-100/E3Δ-RSVeGFP, pacAd5 9.2-100/E3ΔE4orf6, pacAd5 9.2-100/E4Δ, or pacAd5 9.2-100, and
- (b) a shuttle plasmid comprising Ad sequences from 0 to 1 map units and 9.2 to 16.1 map units of an Ad genome.
41. [New] A host cell comprising:
- (a) Ad backbone plasmid pacAd5 9.2-100/SwaI, pacAd5 9.2-100/E3Δ-RSVntLacZ, pacAd5 9.2-100/E3Δ1.8, pacAd5 9.2-100/E3Δ2.6, pacAd5 9.2-100/E3Δ3.1, pacAd5 9.2-100/E3Δ-RSVeGFP, pacAd5 9.2-100/E3ΔE4orf6, pacAd5 9.2-100/E4Δ, or pacAd5 9.2-100, and
- (b) a shuttle plasmid comprising Ad sequences from 0 to 1 map units and 9.2 to 16.1 map units of an Ad genome.
42. [New] The host cell of claim 41, wherein the cell is an animal cell.
43. [New] A method for producing recombinant adenovirus consisting of contacting a host cell with
- (a) Ad backbone plasmid pacAd5 9.2-100/SwaI, pacAd5 9.2-100/E3Δ-RSVntLacZ, pacAd5 9.2-100/E3Δ1.8, pacAd5 9.2-100/E3Δ2.6, pacAd5 9.2-100/E3Δ3.1, pacAd5 9.2-100/E3Δ-RSVeGFP, pacAd5 9.2-100/E3ΔE4orf6, pacAd5 9.2-100/E4Δ, or pacAd5 9.2-100, and
- (b) a shuttle plasmid comprising Ad sequences from 0 to 1 map units and 9.2 to 16.1 map units of an Ad genome.